

FIG. 1

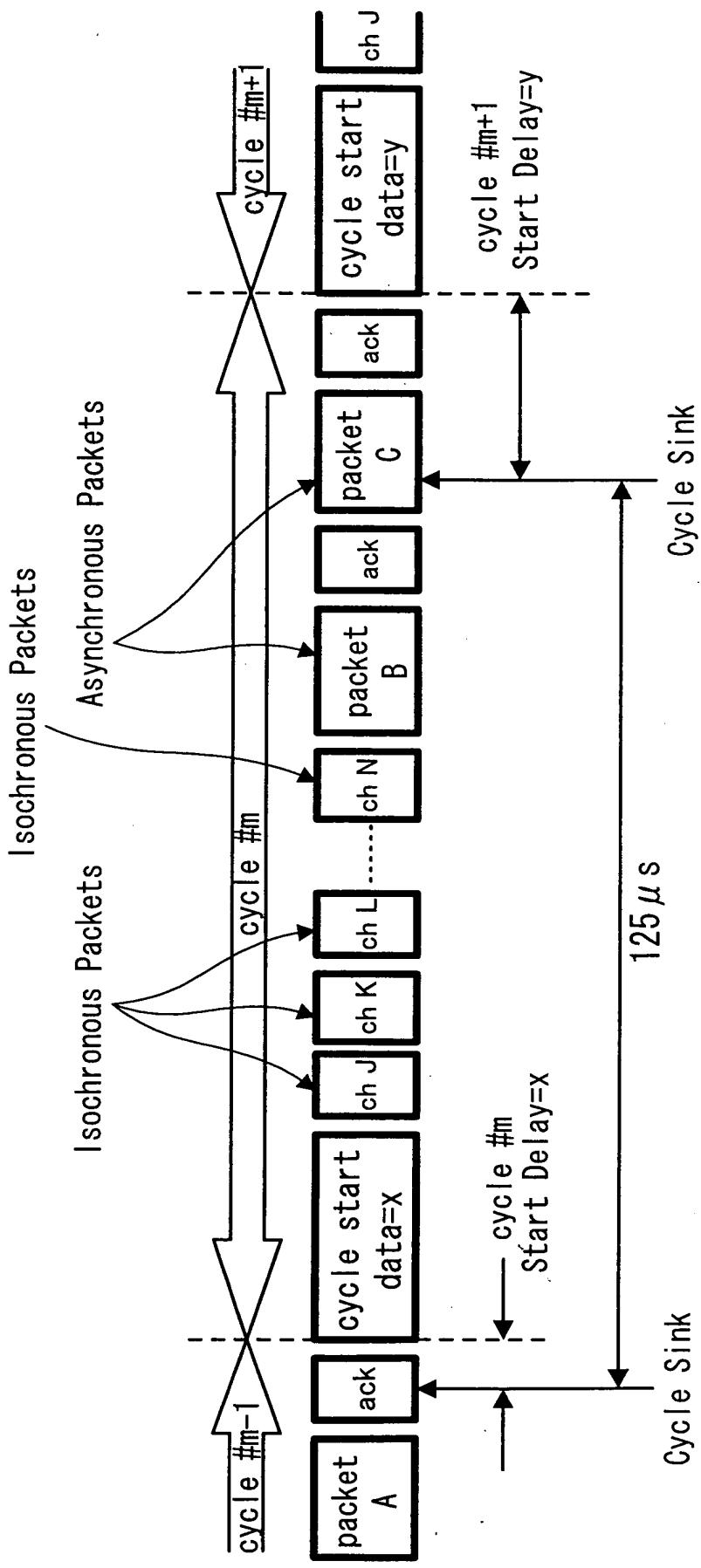


FIG. 2

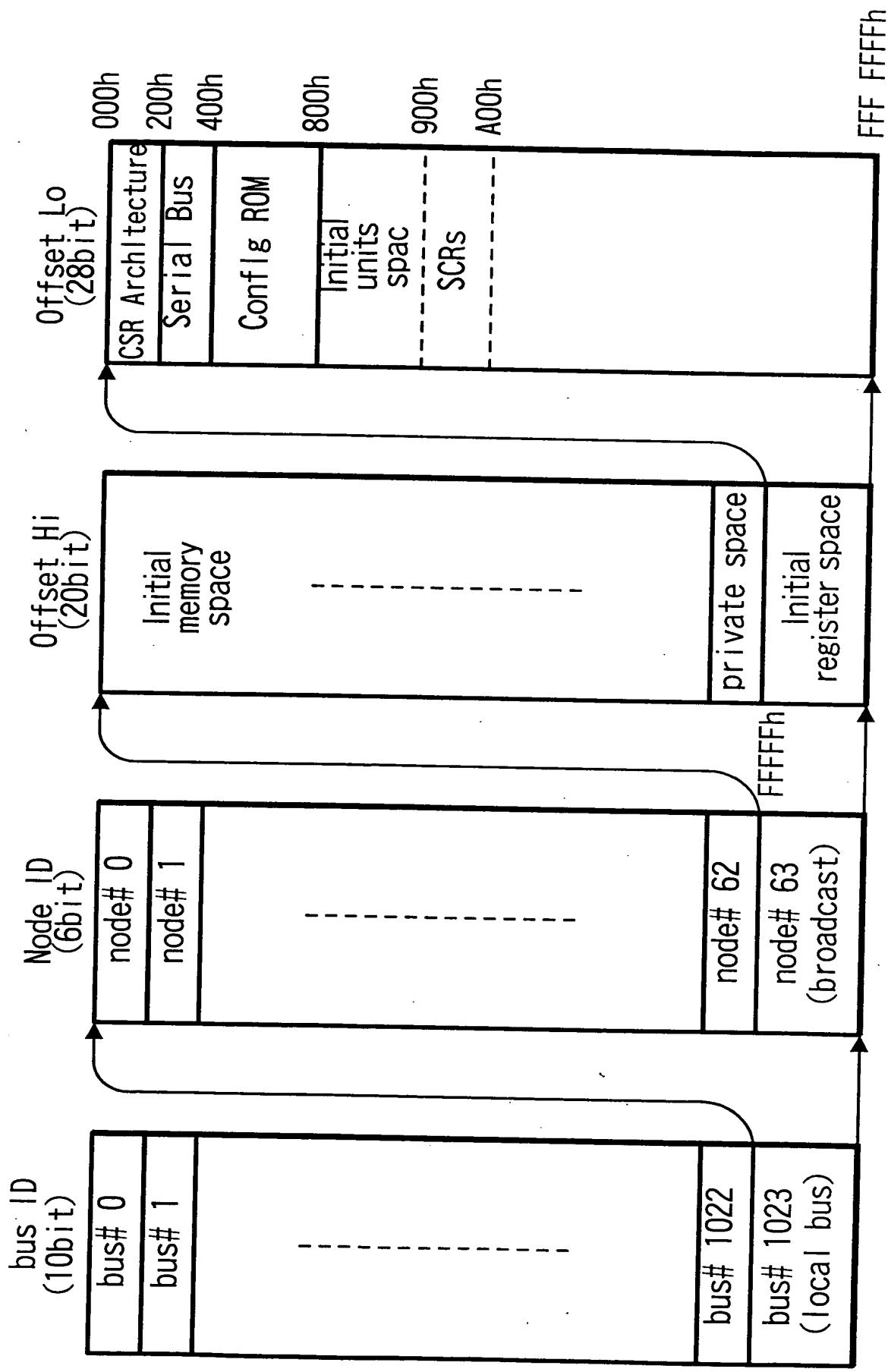


Fig. 3

Offset	Designation	Function
000h	STATE_CLEAR	State and control data
004h	STATE_SET	Set state_clear bit
008h	NODE_IDS	Indicate node ID of 16 bits
00Ch	RESET_START	Start command reset
018h-01Ch	SPLIT_TIMEOUT	Specify maximum time of split
200h	CYCLE_TIME	Cycle time
210h	BUSY_TIMEOUT	Specify limit on retry
21Ch	BUS_MANAGER	Indicate ID of bus manager
220h	BANDWIDTH_AVAILABLE	Indicate band that can be assigned to isochronous communication
224h-228h	CHANNELS_AVAILABLE	Indicate the state where the channels are used

FIG. 4

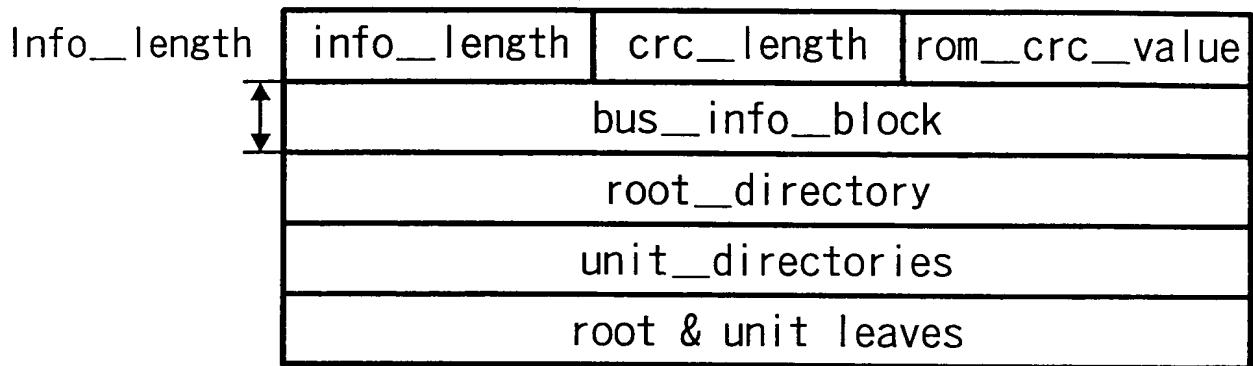


FIG. 6

900h	Output Master Plug Register
904h	Output Plug Control Register #0
	Output Plug Control Register #1
⋮	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
⋮	⋮
9FCh	Input Plug Control Register #30

F/G. 5_{400h}

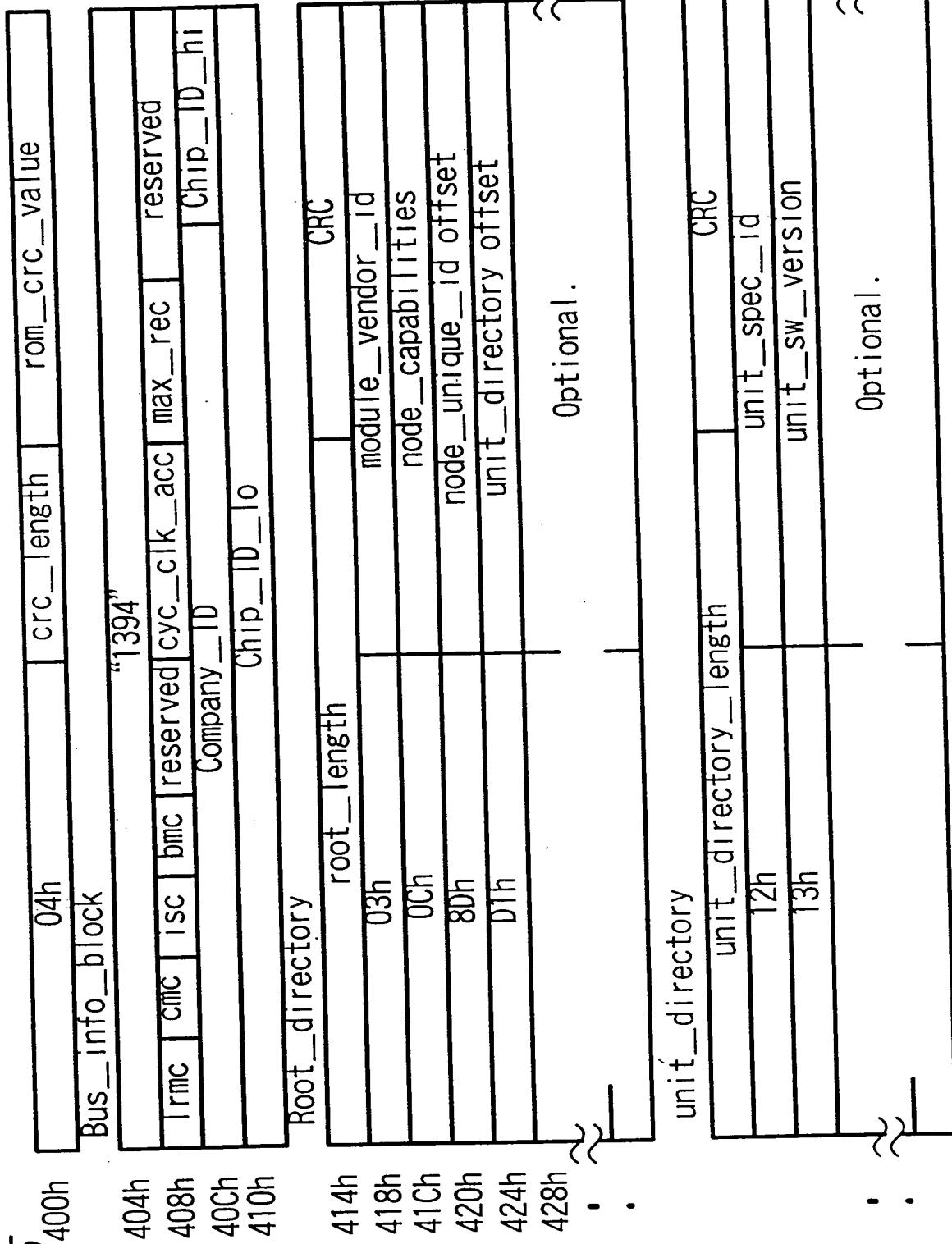


FIG. 7A

oMPR

data rate capability	Broadcast channel base	non-persistent extension field	persistent extension field	reserved	number of output plugs
2	6	8	8	3	5 (bit)

FIG. 7B

OPCR [n]

on-line	Broadcast connection counter	point-to-point connection counter	reserved	channel number	data rate	overhead ID	payload
1	1	6	2	6	2	4	10 (bit)

FIG. 7C

iMPR

data rate capability	reserved	non-persistent extension field	persistent extension field	reserved	number of input plugs
2	6	8	8	3	5 (bit)

FIG. 7D

iPCR [n]

on-line	Broadcast connection counter	point-to-point connection counter	reserved	channel number	reserved
1	6	2	6	1	16 (bit)

FIG. 8

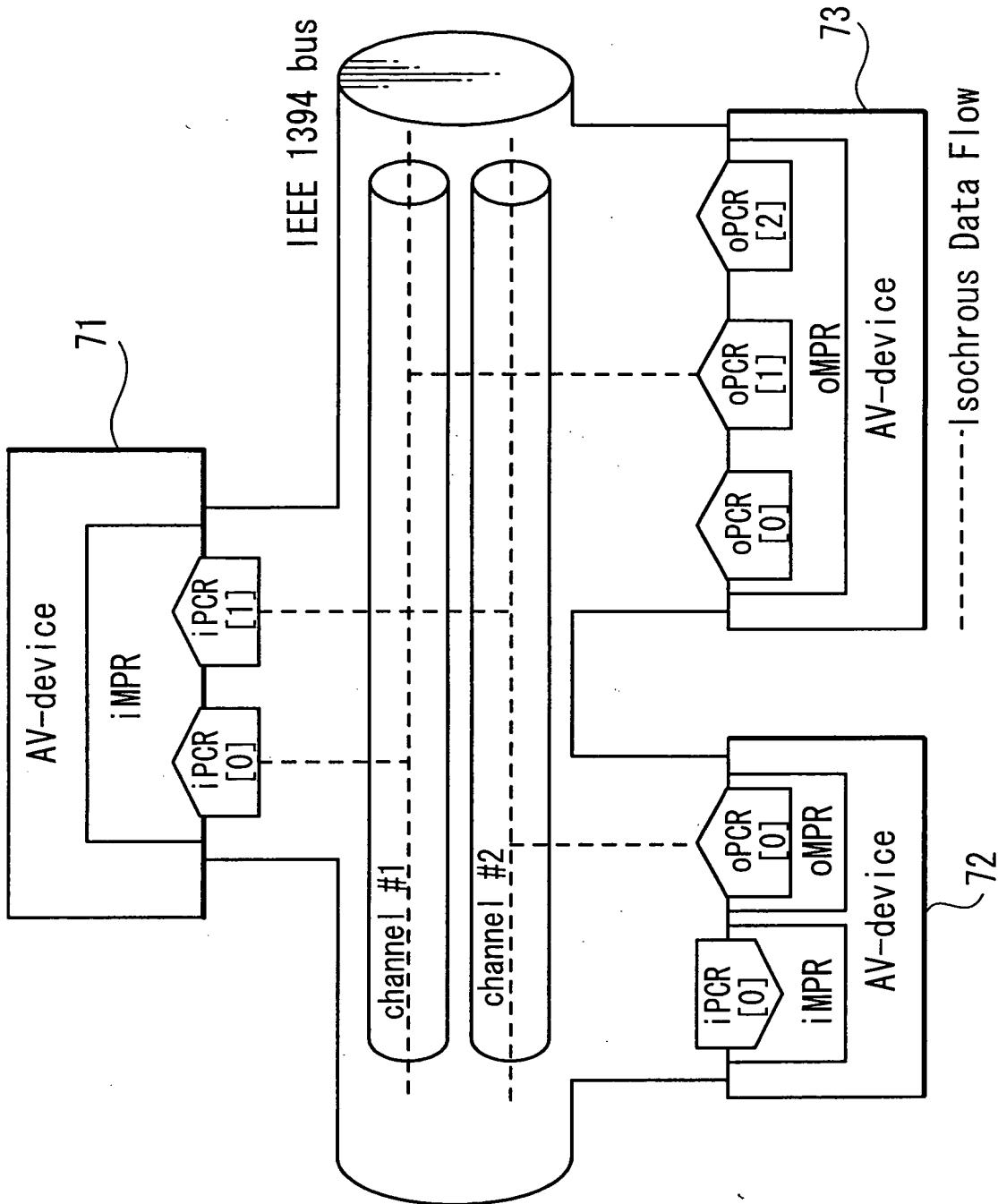


FIG. 9

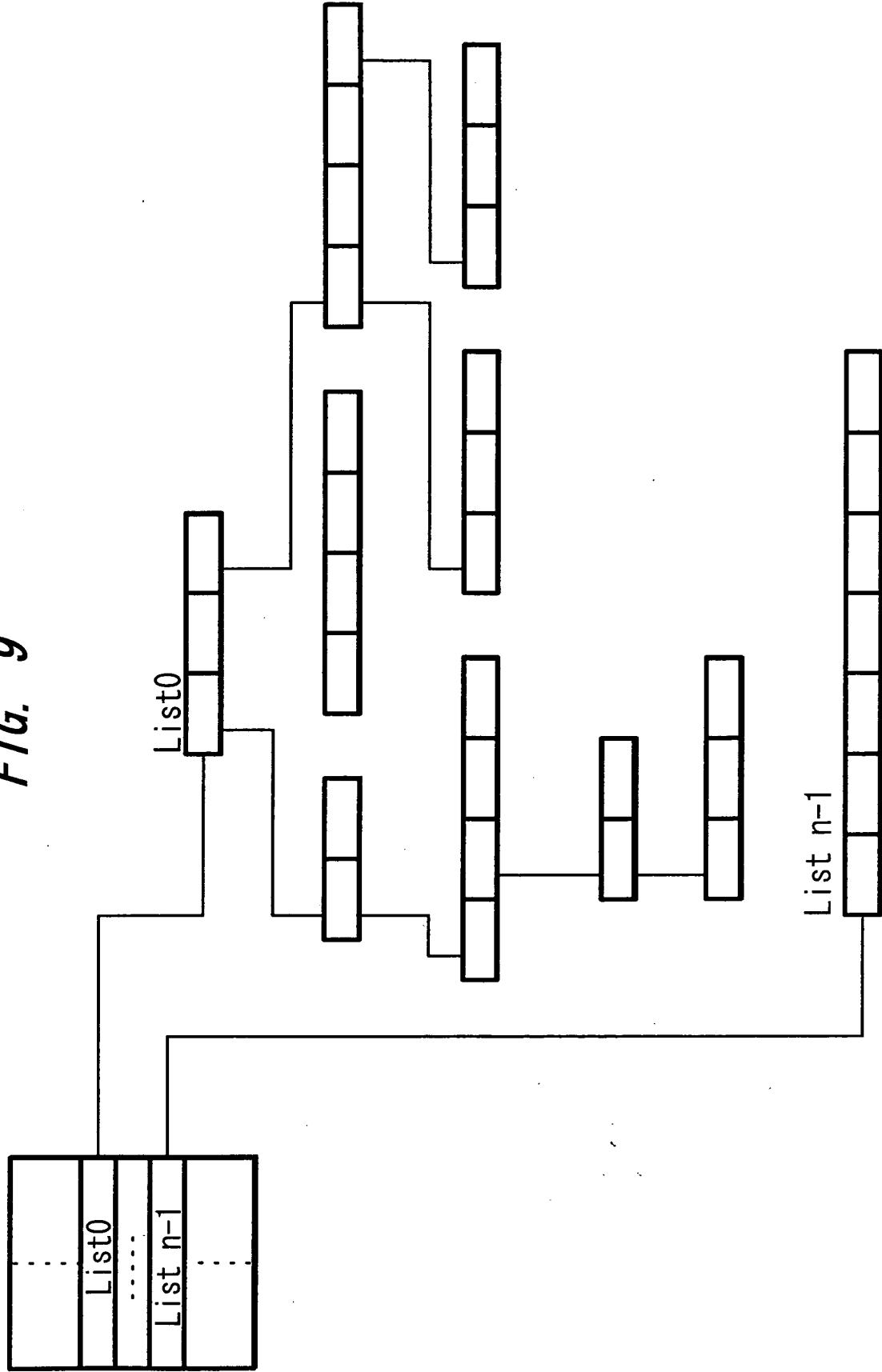


FIG. 10

The General Subunit Identifier Descriptor	
address	contents
00 0016	descriptor_length
00 0116	generation_ID
00 0216	size_of_list_ID
00 0316	size_of_object_ID
00 0516	size_of_object_position
00 0616	number_of_root_object_lists(n)
00 0716	
00 0816	root_object_list_id_0
:	:
:	root_object_list_id_n-1
:	subunit_dependent_length
:	subunit_dependent_information
:	manufacturer_dependent_length
:	manufacturer_dependent_information
:	

FIG. 11

generation_ID values	
generation_ID	meaning
0016	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 12

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ -OFFF ₁₆	reserved
1000 ₁₆ -3FFF ₁₆	subunit-type dependent
4000 ₁₆ -FFFF ₁₆	reserved
1 000 ₁₆ -max list ID value	subunit-type dependent

FIG. 13

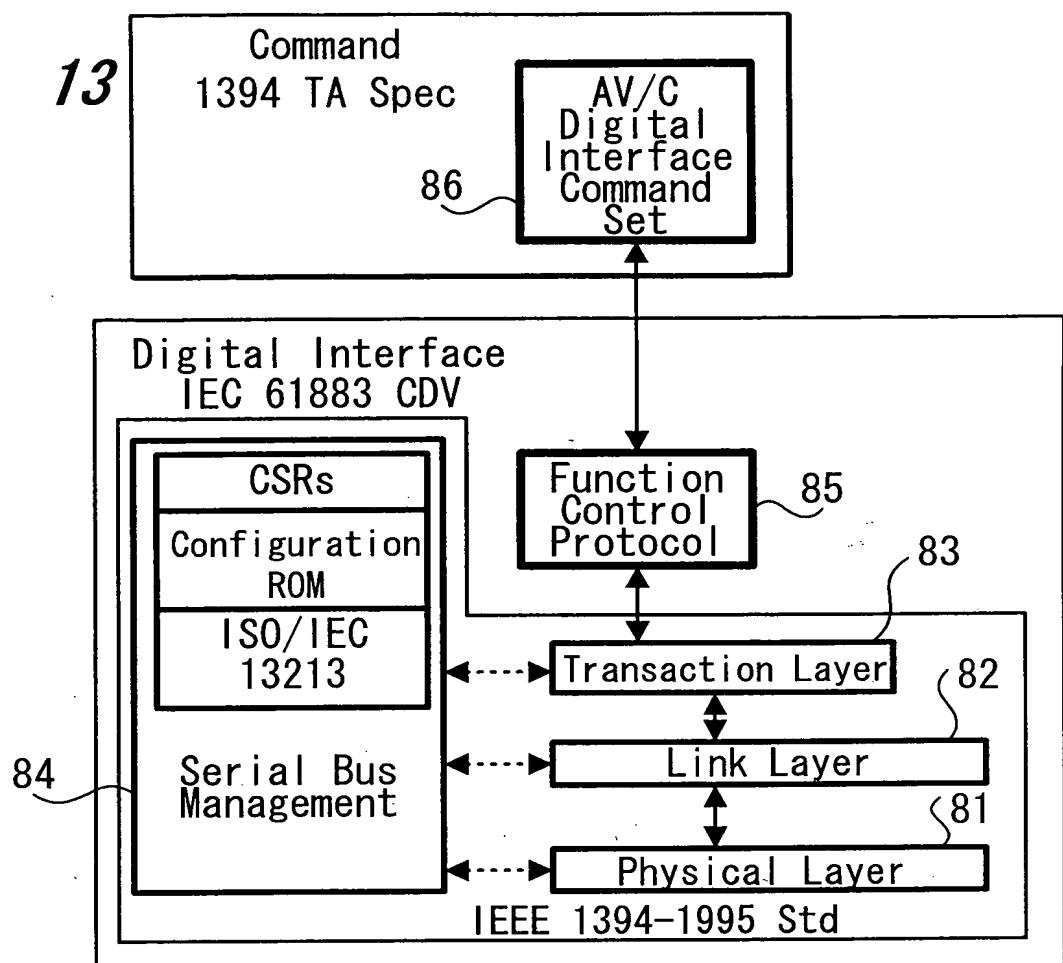


FIG. 14

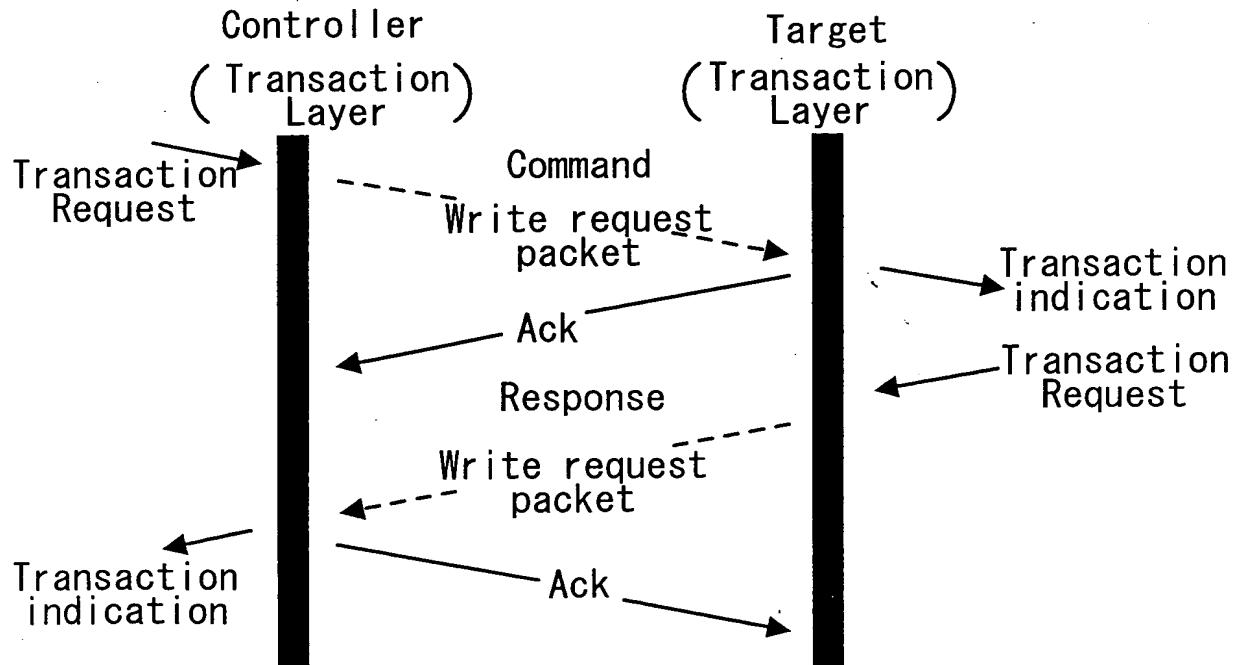


FIG. 15

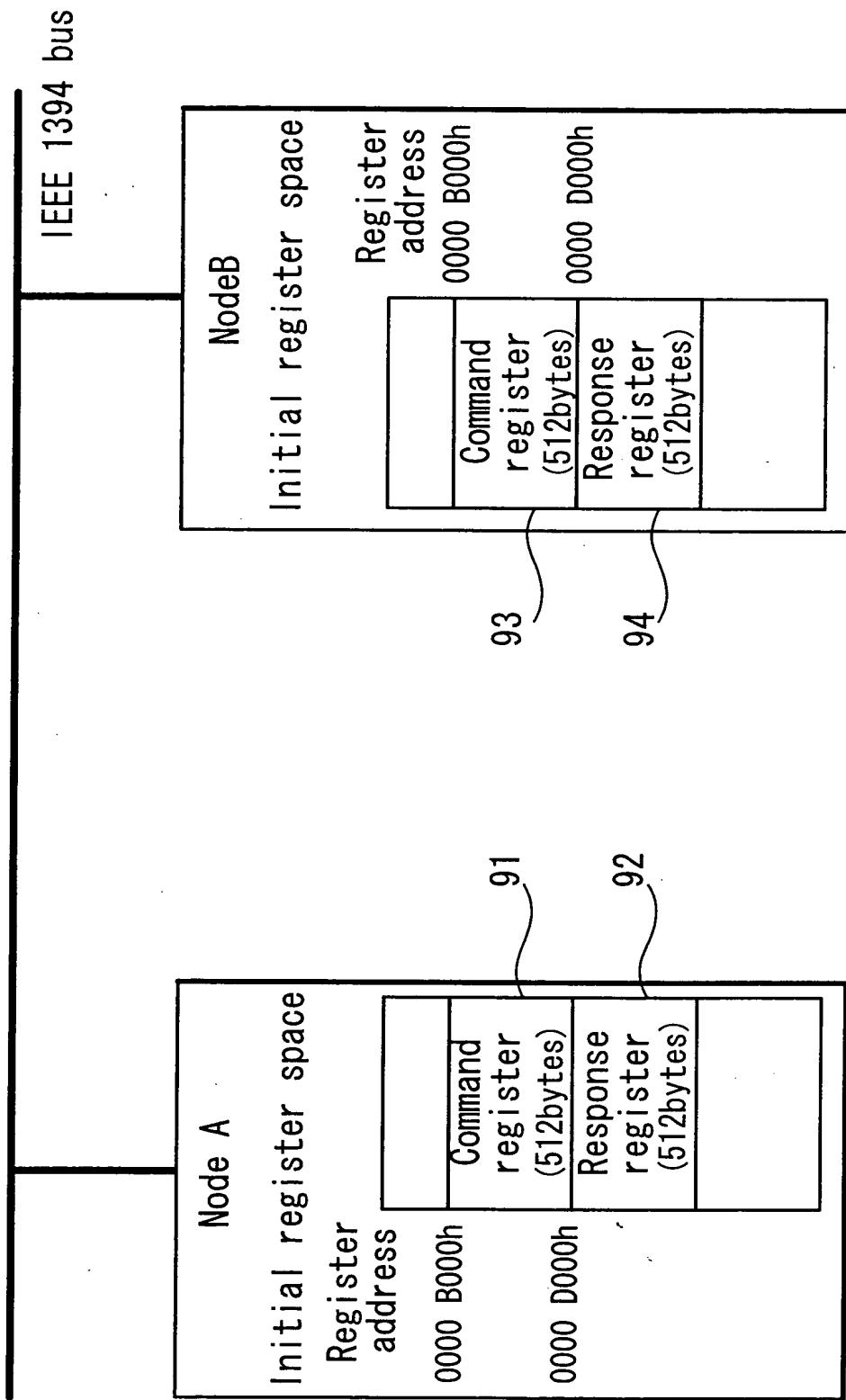
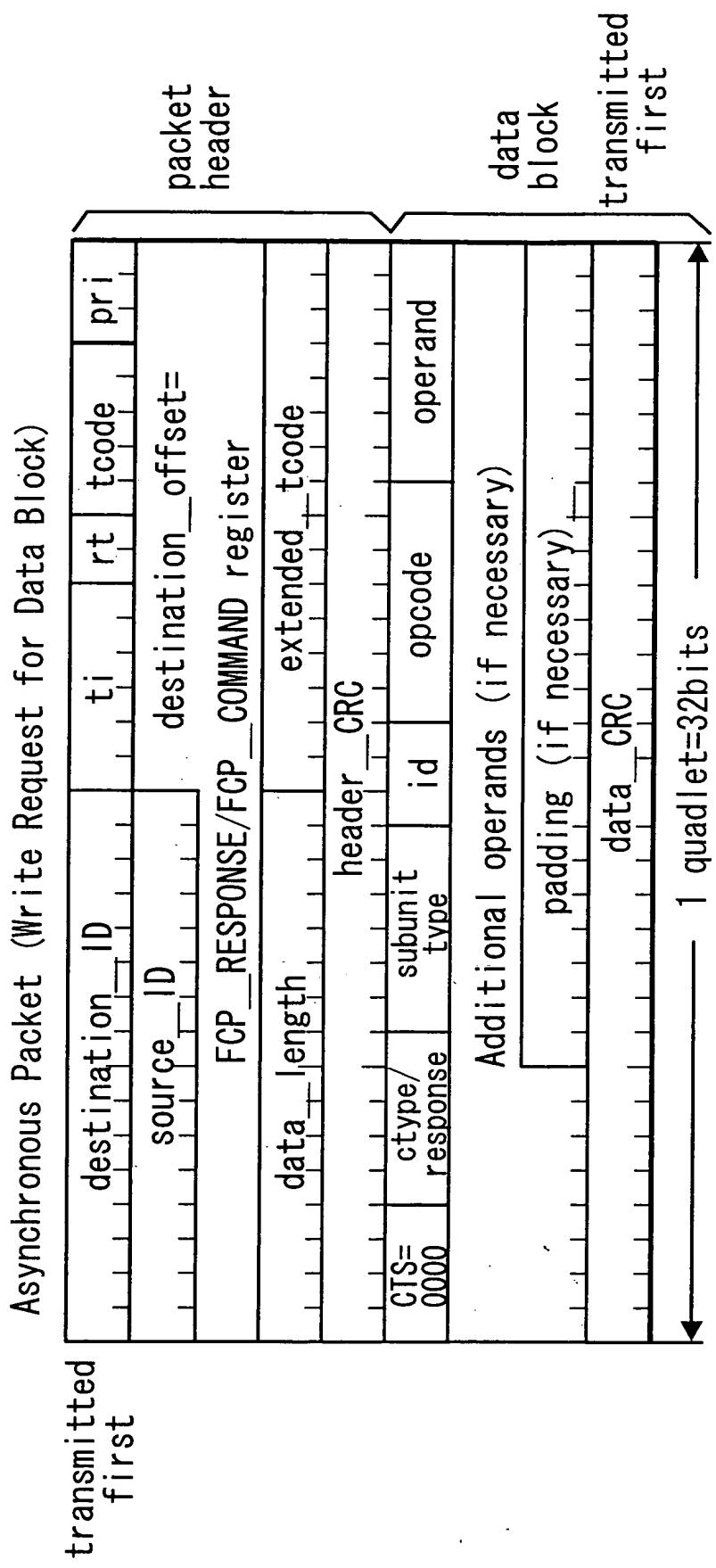


FIG. 16



ctype/response			
Command	0000 0001 0010 0011 0100 0101 `	CONTROL STATUS SPECIFIC INQUIRY NOTIFY GENERAL INQUIRY (reserved for future specification)	
Response	1000 1001 1010 1011 1100 1101 1110 1111	NOT IMPLEMENTED ACCEPTED REJECTED IN TRANSITION IMPLEMENTED/STABLE CHANGED (reserved for future specification) INTERIM	

FIG. 17A

ctype/response		subunit_type	opcode : Operation Code
Command	0000 0001 0010 0011 0100 0101 `	00000 ` 00000 ` 00100 ` 00101 ` 00111 ` 11100 11101 11110 11111	00h VENDOR-DEPENDENT 50h SEARCH MODE 51h TIMECODE 52h ATN 60h OPEN MIC 61h READ MIC 62h WRITE MIC C1h LOAD MEDIUM C2h RECORD C3h PLAY C4h WIND `
Response	1000 1001 1010 1011 1100 1101 1110 1111	Video monitor (reserved) Disc recorder/Player Tape recorder/Player Tuner Video Camera (reserved) Vendor unique (reserved) Subunit type extended to next byte Unit*	

FIG. 17B

FIG. 17C

AV/C	control	tape recorder	when	PLAY	FORWARD
CTS=0000	ctype=0000	subunit type=00100	i d=000	opcode=C3h	operand=75h
AV/C accepted	response =1001	tape recorder	when	PLAY	FORWARD

FIG. 18A

FIG. 18B

FIG. 19

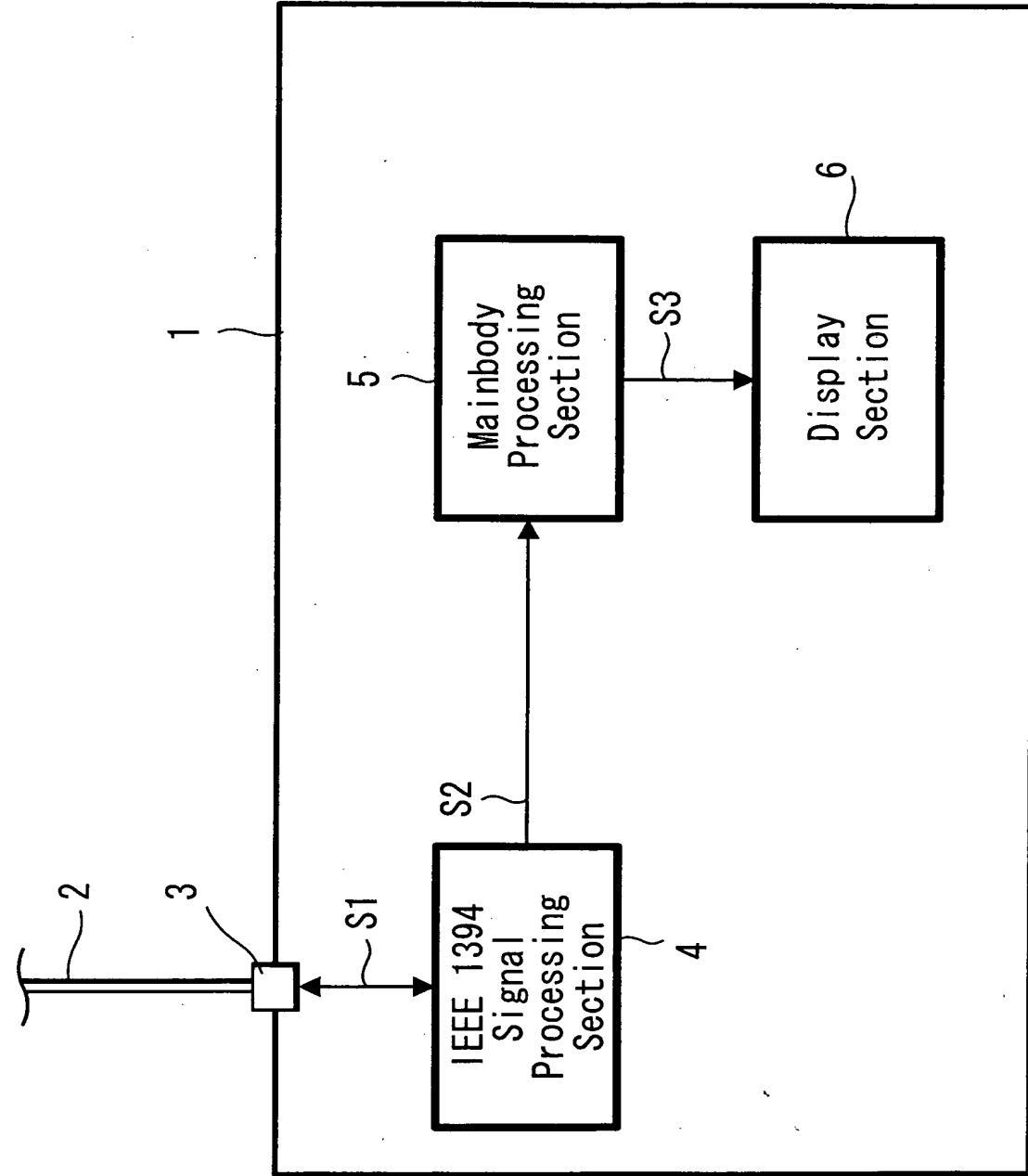


FIG. 20

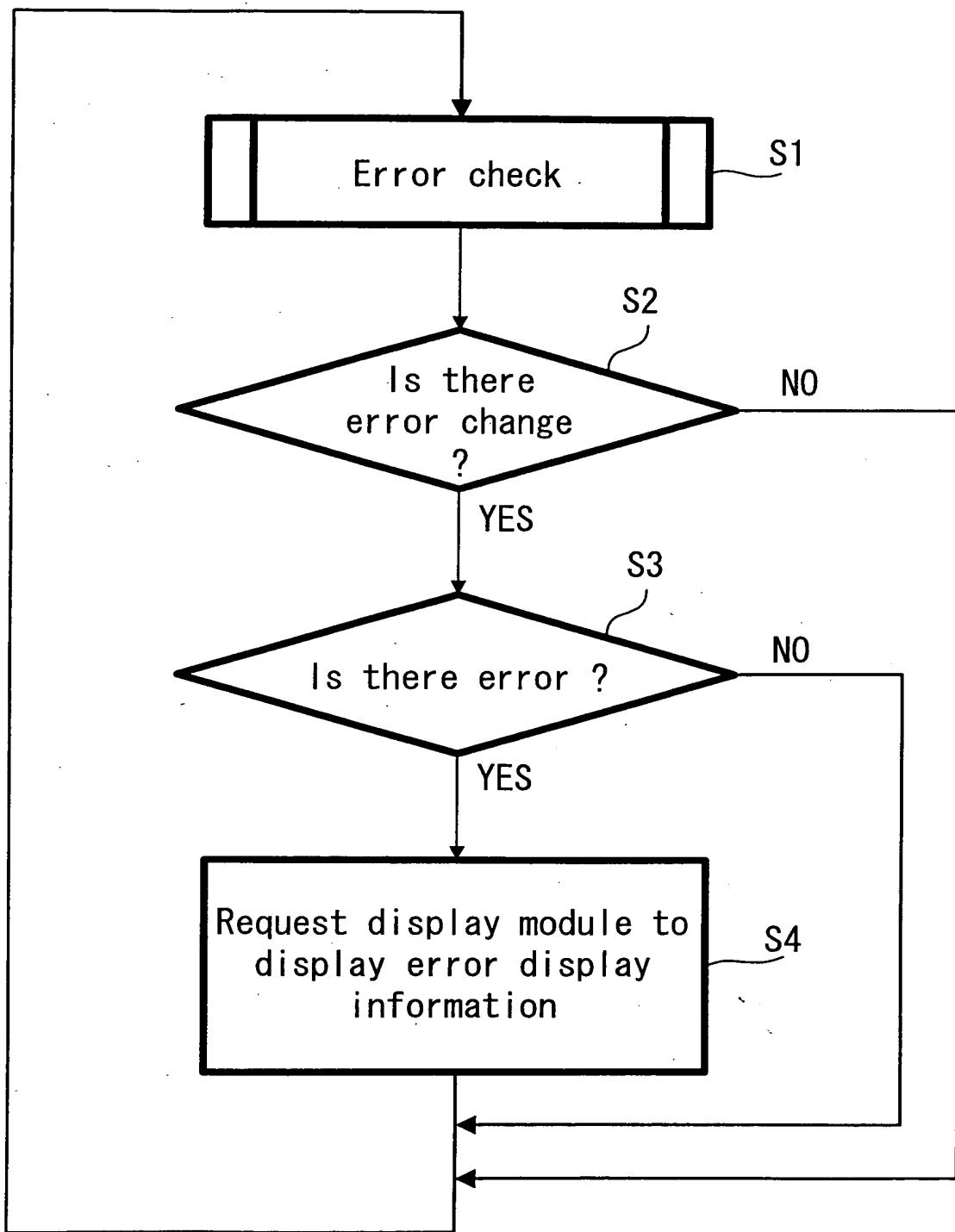


FIG. 21

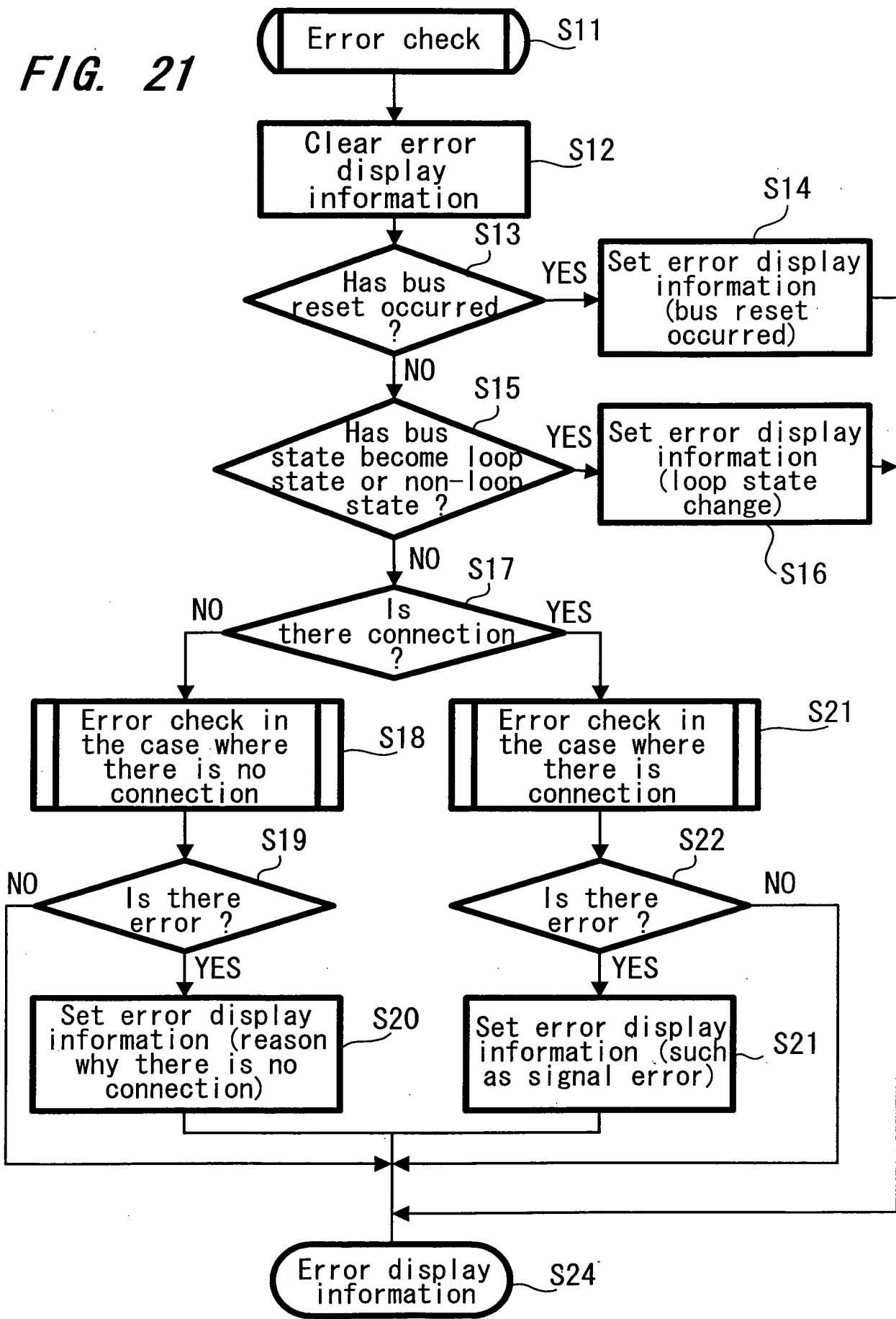


FIG. 22 Error check in the case where there is no connection

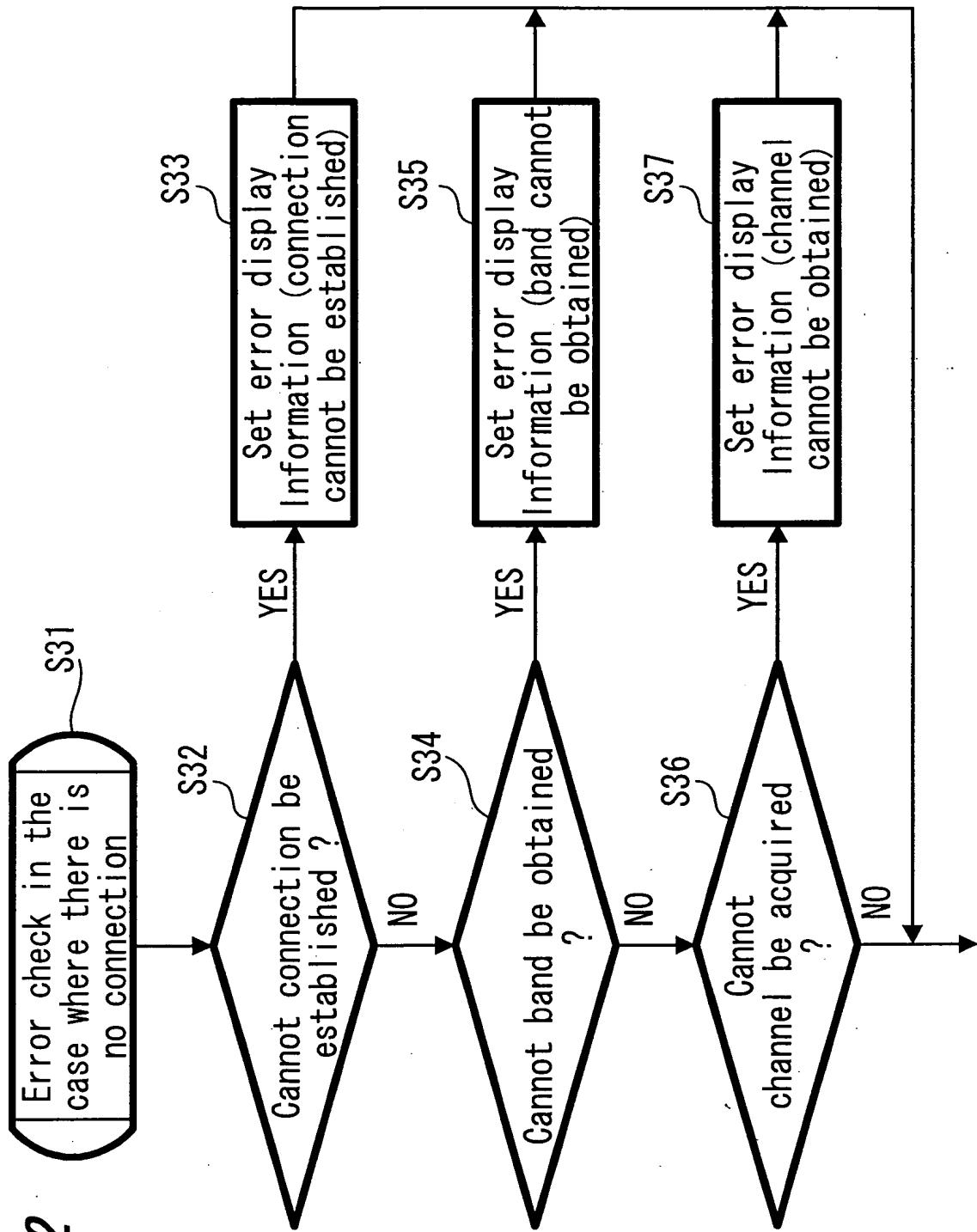
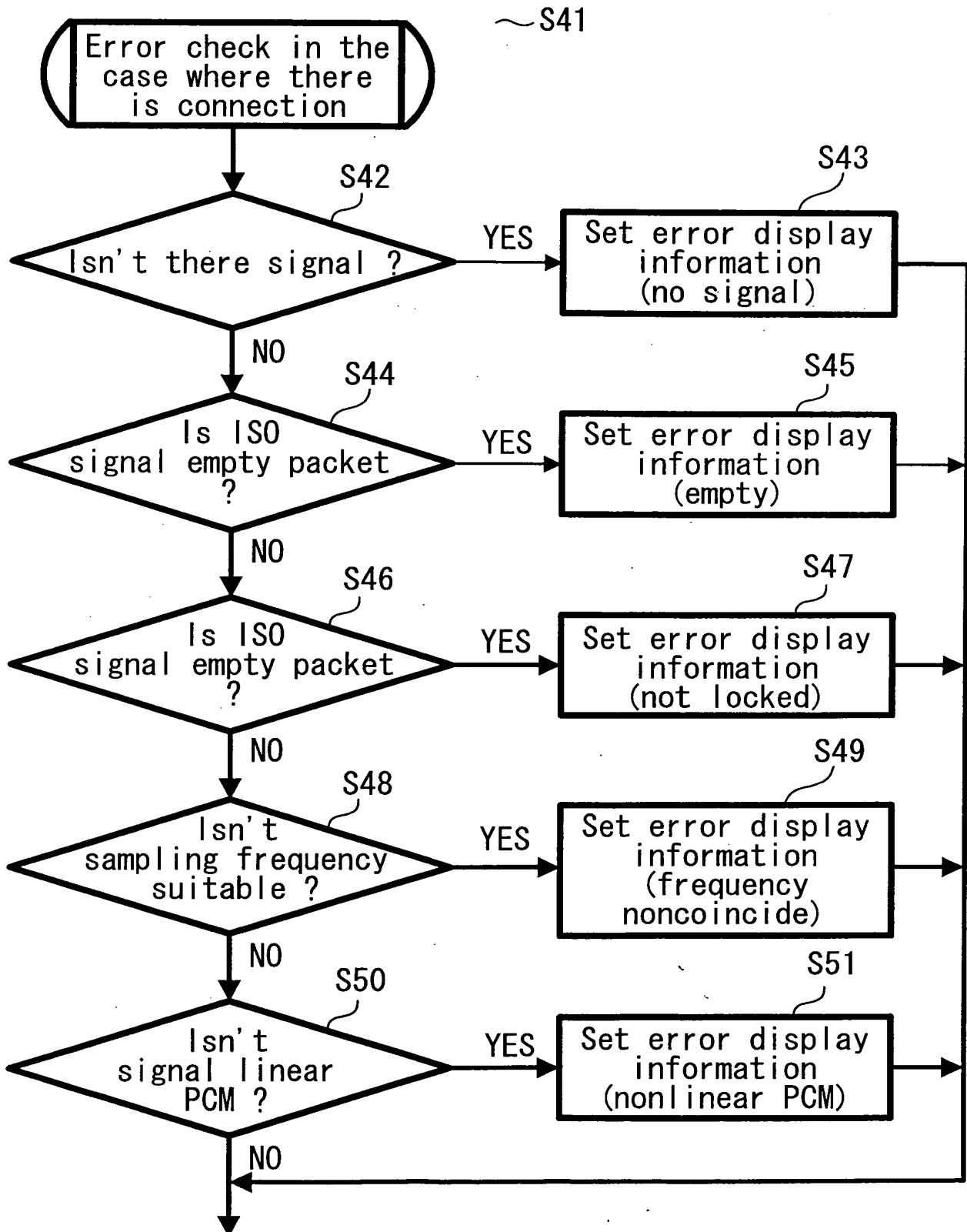


FIG. 23



61

62

FIG. 24

error code number (example)	Display message
C78:11 (At the time of device selection)	The selected is conducted 63 links and it cannot cope with more links.
C78:12 (TUNER, ANALOG)	SIR has 63 formed Links and it cannot have more links
C78:22. 22	The case where a different format (signal where cannot be reproduced) it detected
C78:22. 23	23 Discrepancy between N bits (asynchronous) and rate control protocol
C78:22. 25	25 The sampling frequency is not suitable
C78:22. 26	26 The signal is not linear PCM
C78:31	The case where the signal clock is out of standard values and the clock is not established
C78:04	The case where there are not input signals at all during selection of a connection device
C78:15. 13	Since bus is full of signals output or input cannot be conducted
C78:15. 14	13 Band is deficient at the time of output
C78:15. 15	14 Channel is fully occupied time of output
C78:15. 33	15 Band is deficient at the time of output
C78:03	33 Channel is fully occupied time of output
C78:00	Loop has been formed by cable connection
C60:01	Bus reset has occurred (for example in the case where new device is connected)
C60:08	Temperature within the device is rising
C60:13	Speaker terminal is short-circuited
	Selected device is not connected

FIG. 25

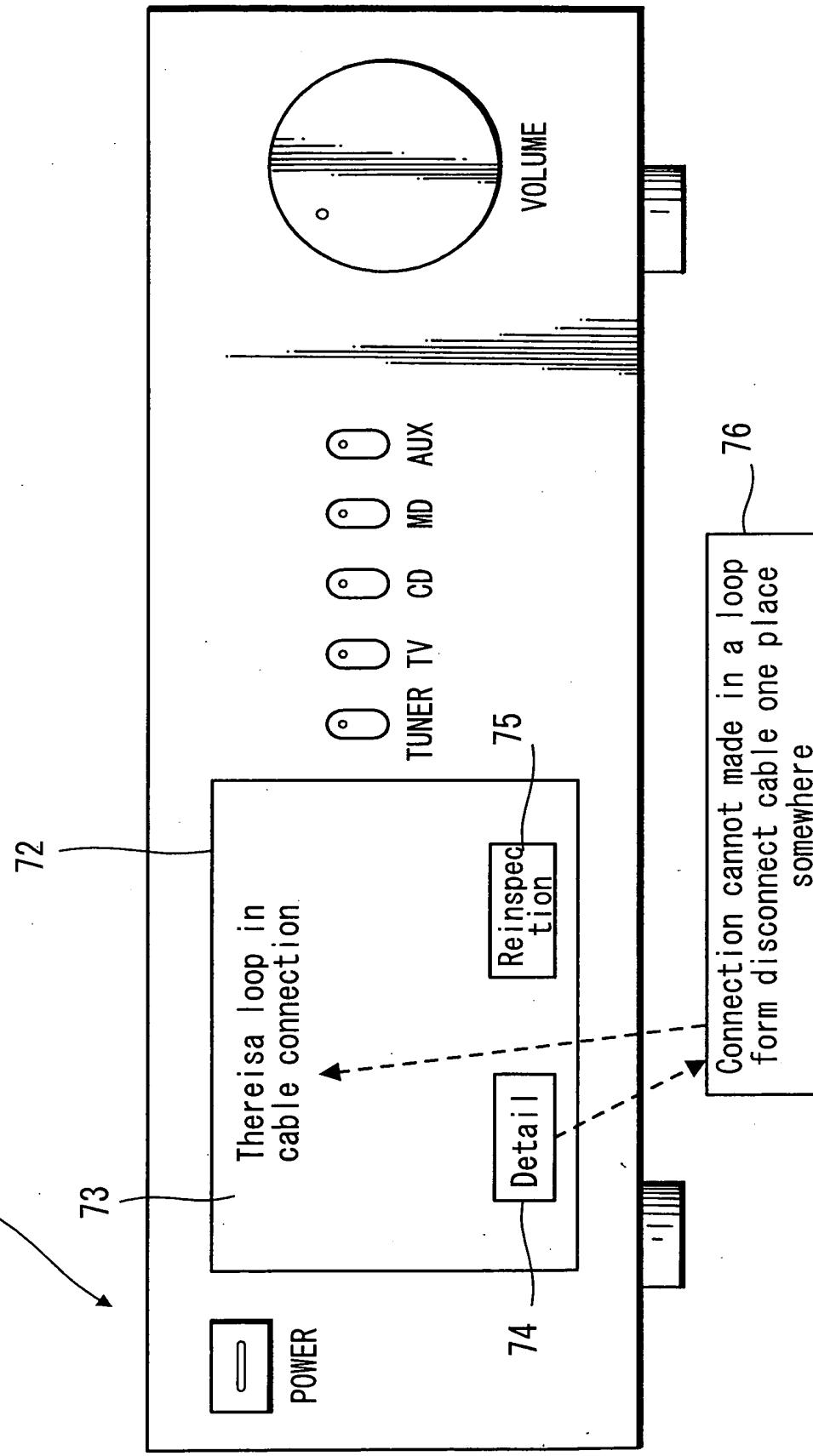


FIG. 26

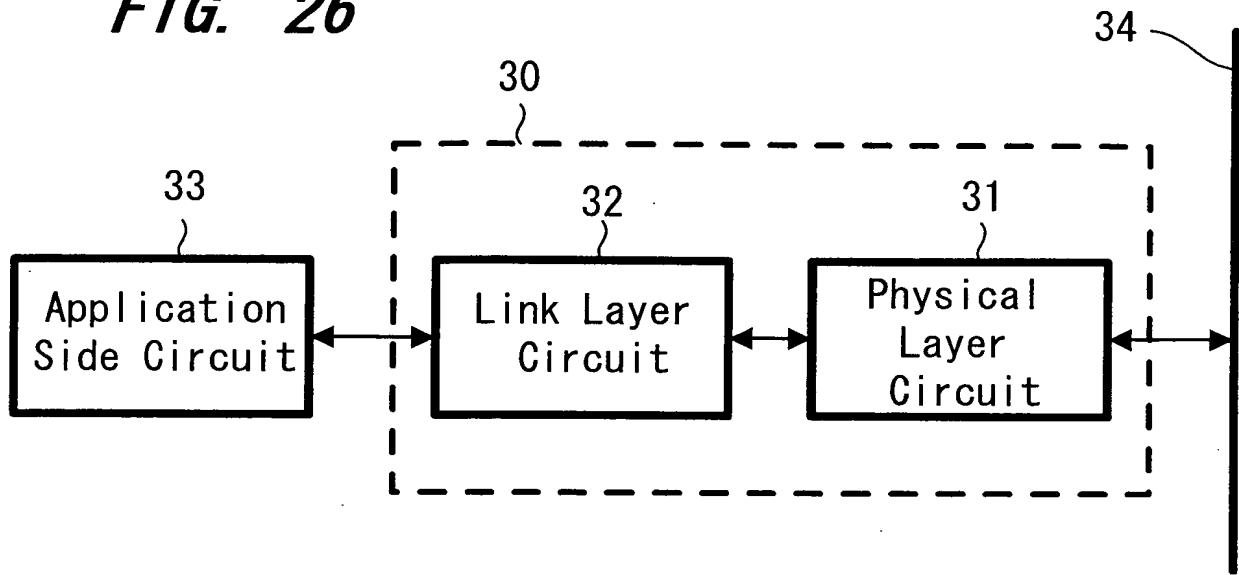


FIG. 27

